TYPE TEST CERTIFICATE

:oduct Code: SUL 25 SV/MH POT CA WG/IP66 04

:oduct: Street light suitable for 250W SV/MH lamp, 240V, 50Hz, AC supply.

rand Name: SURYA

ocument references: IS: 10322(Pt.5/Sec.3)-1987 & TDS

1.	Visual Examination	Shall not reveal any damage to external finish & workmanship	Satisf
	a. Marking	Shall be clear and legible	Satisf
	b. Construction	Pressure die-cast Al. housing, powder coated, Pot optic, EPDM rubber gasket, clear toughened glass, E40 ceramic holder, 250W Cu. wound ballast,3 wire pulse ignitor and 33 mfd capacitor.	Satisf
	c. Internal wiring	Shall be of 1 sq.mm	Satisf
	d. Screws & connections	Shall withstood an applied torque of 8Nm for five times.	Satisf
2.	Protection against electric Shock	Test finger shall not come into contact with any live parts	Satisf
3.	Mechanical strength	Shall not show any damage	Satisf
4.	Endurance	No parts shall be damaged, unserviceable and unsafe. The marking shall be legible and the luminaire shall perform normally after the test.	Satisf
5.	Thermal Test	Temp. shall be within the specified limits, Winding of ballast < 130°C, Ignitor case < 85°C, Supporting surface < 70°C, Capacitor case < 85°C	Satis

6.	Resistance to dust and Moisture	Compliance with the requirement of the standard	Satisfacto
	a. Test for ingress Of dust and Moisture (IP66)	There shall be no ingress of dust and no harmful quantity of water accumulation.	Satisfacto
	b. Humidity Test	There shall not show any appreciable damage & Insulation shall be adequate $\geq$ 2M	Satisfacto
7.	Insulation Resistance(Dry)	Shall be $\geq$ 2M on application of 500V DC	Satisfacto
8.	Electric strength test	Shall withstood a voltage of 1.5KV for 1 Min.	Satisfacto
9.	Resistance to heat, fire & Tracking	On plastic materials only	Satisfacto
	a. Resistance to heat	The diameter of impression shall not be > 2mm	Satisfacto
	b. Resistance to flame & Ignition	The sample under test and any gas produced during the test shall not be ignited	Satisfacto
10.	Creepage distance and Clearance	Shall be $\geq$ 3mm and $\geq$ 6mm	Satisfacto
11.	Leakage current	< 1.0 mA	Satisfacto
12.	Earth contact Resistance	< 0.5	Satisfacto
13.	Photometric efficiency		75%

Certificate issued by

RANJIT LAL
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